## PATENT COOPERATION TREATY

### From the INTERNATIONAL SEARCHING AUTHORITY

# Davana

## **PCT**

NOTIFICATION OF TRANSMITTAL OF

Attn. Tunstall, C. S. 2 2 MAY 2006  43-45 Bloomsbury Squar  London WCLA 2RA  CARPMAELS & RANSFORD  ACTIONED  ACTIONED	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONS SEARCHING AUTHORITY, OR THE DECLARATIO
	(PCT Rule 44.1)
	Date of mailing (day/month/year) 23/05/2006
Applicant's or agent's file reference	
P040404WO	FOR FURTHER ACTION See paragraphs 1 and 4 belo
International application No. PCT/GB2006/001017	International filing date (day/month/year) 21/03/2006
Applicant	
CILAG AG INTERNATIONAL	
Authority have been established and are transmitted herewif Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is nor International Search Report. Where? Directly to the International Bureau of WIPO, 34 121 Geneva 20, Switzerland, Fascimile No: (4 For more detailed instructions, see the notes on the act 2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the in 3. With regard to the protest against payment of (an) addition the protest together with the decision thereon has beer applicant's request for forward the texts of both the prot	so of the International Application (see Rule 45): mally two months from the date of transmittal of the chemin des Colombettes 1–22) 538.82.70 companying sheet. report will be established and that the declaration under tensational Searching Authority are transmitted herewith. nall fee(s) under Rule 40.2, the applicant is notified that: transmitted to the International Bureau together with the sets and the decision thereon to the designated Offices.
In o decision has been made yet on the protest; the app 4. Reminders Shortly after the expiration of 18 months from the priority date, the International Bureau. If the applicant wishes to avoid or postpone application, or of the priority data, must reach the international Bu- before the competion of the technical preparations for internation The applicant may suthint comments on an informat basis on the International Bureau. The international Bureau will send a copy of the public but not before the expiration of 30 months from the prior Within 19 months from the priority data, but only in respect of so examination must be feld if the applicant wishes to postpone the date (in some Offices even later), otherwise, the applicant must, w acts for entry into the radiation phase before those designated office in respect of other designated Offices, the time limit of 30 months months.  See the Annex to Form PCT/B/301 and, for details about the applic	e international application will be published by the publication, a notice of withdrawal of the international resu as provided in Rules 90bis 1 and 90bis 3, respectively, al publication, with the properties of the support of the such comments to all designated Offices unless an stabilished. These comments would also be made available to stabilished. These comments would also be made available to the designated Offices, a demand for international preliminary mitty sind the national phase until 30 months from the priority within 20 months from the priority data, perform the prescribed ea. (or later) will apply even if no demand is filed within 19
Guide, Volume II, National Chapters and the WIPO Internet site.	

Name and mailing address of the International Searching Authority



Discrepance Patent Office, P.B. 5818 Patentian 2 NL-2280 HV Pijswijk Tel. (-431-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Vera Schertl

### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under action 10. The Notes are based on the requirements of the Patent Cooperation Treaty. He Replations and the Administration instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WHO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative instructions, respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It is housed however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international perimitarial yearnisation procedure, there is usually no need to the amendments of the defines under Article 19 international perimitarial yearnisation procedure, there is usually no need to the amendments of the defines under Article 19 reason for amending the claims before termination to be published for the purposes of provisional protection or has another reason for amending the claims before termination and the published the procedure of the published in some States only (see PCT Applicant's Guide, Volume IA. Agnesses B1 and IR2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the international Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applican's Guide*, Volume I/A, paragraph 296).

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmitted of the international search report or 16 months from the priority date, with the provided of the provided o

## Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French. The letter must be in French.

## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	see Form PCT/ISA/220				
P040404WO International application No.	ACTION				
memational application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)			
PCT/GB2006/001017	21/03/2006	06/04/2005			
Applicant					
CILAG AG INTERNATIONAL					
This international search report has been according to Article 18. A copy is being tra	ansmitted to the International Bureau				
_	a copy of each prior art document cit				
a translation of the of a translation fut b. With regard to any nucleo	pplication in the language in which it e international application into mished for the purposes of internatio				
_					
Unity of invention is lack	king (see Box No III)				
With regard to the title,     X the text is approved as su     the text has been establish	bmitted by the applicant hed by this Authority to read as follow	ws:			
5. With regard to the abstract,    X   the text is approved as sultime text has been establish may, within one month from the company of the	hed, according to Rule 38.2(b), by thi	is Authority as it appears in Box No. IV. The applicant onal search report, submit comments to this Authority			
6. With regard to the drawings,					
a. the figure of the <b>drawings</b> to be published with the abstract is Figure No1					
X as suggested by the	**				
= -	Authority, because the applicant fai				
	s Authority, because this figure better e published with the abstract	r characterizes the invention			
- I list of the rightes is to be	- promotion men are aboutable				

## INTERNATIONAL SEARCH REPORT

International application No PCT/GB2006/001017

A. CLASS INV.	ification of subject matter A61M5/20 A61M5/32		
According	to International Patent Classification (IPC) or to both national classi	fication and IPC	
	SEARCHED		
A61M	ocumentation searched (classification system followed by classific	ation symbols)	
Documenta	tion searched other than minimum documentation to the extent that	at such documents are included in the fields s	earched
Electronic o	data base consulted during the international search (name of data	base and, where practical, search terms user	1)
EPO-In	ternal		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with Indication, where appropriate, of the	relevant passages	Relevant to claim No.
Х	EP 0 389 938 A (BECTON DICKINSON COMPANY) 3 October 1990 (1990-10 abstract; figure 2		1-11
X	US 6 447 480 B1 (BRUNEL MARC) 10 September 2002 (2002-09-10) abstract; figures		1
Υ			1,2
P,X /	GB 2 414 400 A (* CILAG AG INTE 30 November 2005 (2005-11-30) abstract; figure 4	1	
A /	US 2004/243065 A1 (MCCONNELL SUS 2 December 2004 (2004-12-02) abstract; figure 1	SAN ET AL)	2
		-/-	
	her documents are listed in the continuation of Box C.	X See patent family annex.	
"A" docume consid "E" earlier e filing o "L" docume which citation "O" docume other a "P" docume later th	int which may throw doubts on priority claim(s) or is older to establish the publication date of another or other special reason (as specified) and referred reason (as specified) and referring to an oral disclosure, use, exhibition or means in published prior to the international. Sling date but aim the priority date claimed	17 later document published after the inte or protify date and not in conflict with invention.  18 document of particular relevance, the cannot be considered novel or cannot invention.  19 document of particular relevance, the cannot be considered novel or cannot move an inventive step when the document document is accordance, the document is accordanced with one or ments, such combination being dovion the art.  28 document member of the same patent.	the application but sory underlying the slaimed invention be considered to cument is taken alone laimed invention vertile step when the re other such docu- ist to a person skilled family
	actual completion of the international search  1 May 2006	Date of mailing of the international sea 23/05/2006	rch report
	nailing address of the ISA/	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Ehrsam, F	

## INTERNATIONAL SEARCH REPORT

International application No PCT/GB2006/001017

	FC1/GB2006/00101/
C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category* Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A US 5 263 933 A (NOVACEK ET AL) 23 November 1993 (1993-11-23) abstract; figures 13,33	2
FR 2 665 079 A (CONCEPTION FABR INNOVATIONS MECA) 31 January 1992 (1992–01–31) figure 1	1,2
GB 728 248 A (AUGUSTE ROOSEBOOM) 13 April 1955 (1955-04-13) abstract; figures 4,5	2
US 5 647 845 A (HABER ET AL) 15 July 1997 (1997-07-15) abstract; figures 2A,2B	7

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/GB2006/001017

					PCT/GB2		006/001017	
	atent document d in search report		Publication date		Patent family member(s)		Publication date	
EP	0389938	A	03-10-1990	AT AU AU BR CA DE DE DK ES FI JP JP KR MX NO NZ US ZA	106019 619154 5223090 9001422 2012587 69009092 389938 2053002 101265 1752884 2283376 4033236 9200465 171948 901433 232968 4929232 9002209	B2 A A A1 D1 T2 T3 T3 B1 C A B B1 B A A	15-06-1994 16-01-1992 04-10-1990 09-04-1991 30-09-1990 30-06-1994 01-10-1994 16-07-1994 29-05-1998 23-01-1992 24-11-1990 02-06-1992 24-11-1993 01-10-1990 02-05-1998	
US	6447480	B1	10-09-2002	AT AU BR CA CN DE DE EP ES FR WO JP MX PT	282449 5869299 9914126 2345649 1320053 69922034 69922034 1117454 2234294 2784033 0020059 2002526175 PA01003191 1117454	T A A A1 A D1 T2 A1 T3 A1 A1 A1	15-12-2004 26-04-2000 19-06-2001 13-04-2000 31-10-2001 23-12-2004 08-12-2005 25-07-2001 16-06-2005 07-04-2000 20-08-2002 02-07-2002 29-04-2005	
GB	2414400	Α	30-11-2005	WO	2005115508	A1	08-12-2005	
US	2004243065	A1	02-12-2004	NONE				
US	5263933	A	23-11-1993	US US	5415638 5360404		16-05-1995 01-11-1994	
FR	2665079	Α	31-01-1992	NONE				
GB	728248	Α	13-04-1955	DE FR	902776 1078911		24-11-1954	
IIC.	5647845	Α	15-07-1997	NONE				

## PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

see form PCT/ISA/220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Bule 43bis 1)

Date of mailing

(day/month/year) see form PCT/ISA210 (second sheet)

06.04.2005

Applicant's or agent's file reference see form PCT/ISA/220

FOR FURTHER ACTION See paragraph 2 below

International application No.

International filing date (day/month/year) Priority date (day/month/year)

PCT/GB2006/001017 21 03 2006 International Patent Classification (IPC) or both national classification and IPC

INV. A61M5/20 A61M5/32

Applicant

CILAG AG INTERNATIONAL

- This opinion contains indications relating to the following items:
  - Box No. I Basis of the opinion
  - ☐ Box No. II Priority

  - Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - ☐ Box No. IV Lack of unity of invention
  - Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - Box No. VI Certain documents cited
  - Box No. VII Certain defects in the international application
  - ☐ Box No. VIII Certain observations on the international application

### FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, Whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx; 523656 epmu d Fax: +49 89 2399 - 4465

Date of completion of this opinion

see form PCTASA D10 Authorized Officer

Ehrsam, F

Telephone No. +49 89 2399-2343



# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2006/001017

_	Во	x N	o.   Basis of the opinion
1.	Wit	h re	gard to the language, this opinion has been established on the basis of:
	×	the	e international application in the language in which it was filed
		a t pu	ranslation of the international application into , which is the language of a translation furnished for the rposes of international search (Rules 12.3(a) and 23.1 (b)).
2.	Wit	h re cess	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. t	ype	of material:
			a sequence listing
			table(s) related to the sequence listing
	b. f	orm	at of material:
			on paper
			in electronic form
	c. t	ime	of filing/furnishing:
			contained in the international application as filed.
			filed together with the international application in electronic form.
			furnished subsequently to this Authority for the purposes of search.
3.		ha:	addition, in the case that more than one version or copy of a sequence listing andor table relating thereto s been flied or furnished, the required statements that the information in the subsequent or additional propriate, were furnished.
4.	Add	ditio	nal comments:

Bo	x No. III Non-establishment of opinion with regard to novelty, inventive step and industrial olicability
The	e questions whether the claimed invention appears to be novel, to involve an inventive step (to be non vious), or to be industrially applicable have not been examined in respect of
	the entire international application
Ø	claims Nos. 12
bec	cause:
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international search (specify):
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed (specify):
$\boxtimes$	no international search report has been established for the whole application or for said claims Nos. 12
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	☐ furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	☐ furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	<ul> <li>pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).</li> </ul>
	a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bic of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	See Supplemental Box for further details

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-11

1-11

1. Statement

Novelty (N)

Yes: Claims

No: Claims 1-11

Inventive step (IS)

Yes: Claims

No: Claims

Yes: Claims

No: Claims

2. Citations and explanations

Industrial applicability (IA)

see separate sheet

## Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10)

and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

## Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

- 1 Reference is made to the following document:
  - D1: EP-A-0 389 938 (BECTON DICKINSON AND COMPANY) 3 October 1990 (1990-10-03)
  - D2: US-B1-6 447 480 (BRUNEL MARC) 10 September 2002 (2002-09-10)
  - D3: GB-A-2 414 400 ( CILAG AG INTERNATIONAL) 30 November 2005 (2005-11-30)
  - D4: US 2004/243065 A1 (MCCONNELL SUSAN ET AL) 2 December 2004 (2004-12-02)
  - D5: US-A-5 263 933 (NOVACEK ET AL) 23 November 1993 (1993-11-23)
  - D6: FR-A-2 665 079 (CONCEPTION FABR INNOVATIONS MECA) 31 January 1992 (1992-01-31)
  - D7: GB 728 248 A (AUGUSTE ROOSEBOOM) 13 April 1955 (1955-04-13)
  - D8: US-A-5 647 845 (HABER ET AL) 15 July 1997 (1997-07-15)
- 2. The present application does not meet the requirements of Article 33 (2) PCT, because the subject-matter of claims 1-11 is not new in the sense of Article 33 (2) PCT. Indeed, document D1 discloses all the features of claims 1-11, in particular figures 1 to 9 show an injection device (20) where a cover (32) is maintained in place by a cap (40). To be able to uncover the needle (29), the cap has to be twisted off before the boot can be taken off and only then the device can be used. The same objection applies to document D2 and document D3 which is considered to be an intermediate document.
- It is noted that The feature of claims 2 and 7 are also well-known and already used in documents D4, figure 1, D5, figures 13 and 33, D6, figure 1 and D7, figures 4 and 5.
   The same objection applies to claim 7 which is already known form document D8, figure 2A and 2B.

### Re Item III

Document D3 is considerate to be an intermediate document and can therefore only

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2006/001017

be considered for novelty...

## Re Item VII

- The description must be brought into conformity with the new claims to be filed; care should be taken during revision, especially of the introductory portion including any statements of problem or advantage, not to add subject-matter which extends beyond the content of the application as originally filed (Art. 34 2) b)).
- To meet the requirements of Rules 6 3 b) the independent claim should be properly cast in a two part form, with those features which in combination are part of the nearest prior art being placed in the first part.
- To meet the requirements of Rule 5.1 a vi, the cited documents should be identified in the description and the relevant background art therein is to be indicated.
- The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

### Re Item VIII.

 Since claim 12 refers to the different figures, no clear search could be executed and therefore claim 12 lucks clarity.